

Made in China

CE, ROHS, FCC

Skymen

1 unit

JP-2108GH

Negotiation

In Stock

T/T

Wooden case

3000 pcs/month

# **Industrial Ultrasonic Cleaner For Aircraft Parts**

## **Basic Information**

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
  - Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



### **Product Specification**

- Frequency:
- Material:
- Generator:
- Transducers:
- Filtration:
- Ultrsonic Power:
- Timer:
- Heater:
- Highlight:

### 40khz/28khz SUS304/316

#### 2PCS 108 Pcs

- Pump, Oil Skimmer
- 12000W
  - 1~99 Minutes/hours Adjustable
  - Normal-80/95 °C Adjustbale
    - ultrasonic cleaning device, ultrasonic washing machine



Our Product Introduction

### Product Description

#### Precision Cleaning of Aircraft Parts with Ultrasonic Cleaners



Heat power : 9KW Heat up to 150° C; Power supply :420V $\pm$ 10%V,3 phase Accessory: Generator\*3, basket\*2;

JP-2108GH is a twin ultrasonic tank, 1st tank for cleaning ,2ed tank for drying.

Cleans all types of aircraft parts including generators, brakes, actuators, shuttle valves, filters, engine blades and vanes, aircraft wheels, and bearings

Cleaning results equal to or better than traditional solvent cleaning methods

Avoids harmful metal loss or erosion of base metal surface or potential of surface defects with sand blasting

Uniform cleaning process delivers consistent results every time

Increases lifespan of component due to less aggressive cleaning mechanism Usually a single step process with no manual intervention

#### Adavantage of ultraosnic cleaner

Precision cleaning of your aircraft components is an operational safety requirement – a matter of life and death. Parts need to be thoroughly prepped to meet stringent aviation safety norms.

Cleaning being an important element in this process requires special consideration. Traditional cleaning

methods are labor intensive and inconsistent. Parts that require cleaning typically require pretreatment before being subjected to an aggressive cleaning regime that could involve water or sand blasting. This can decrease the life of the component material and in some cases even damage the surface.

Ultrasonic cleaning is a revolutionary approach to cleaning that drastically reduces the cleaning time while improving the quality of the cleaning action. The cleaners work on the principle of agitating aqueous or semi-aqueous cleaning solvents using high frequency sound waves. With ultrasonic cleaners, parts cleaning is a batch operation. This saves hundreds if not thousands of person-hours as compared to the traditional process where each part requires individual attention.

Basic Function :

**1st ultrasonic tank:** installed with ultrasonic cleaning transducers to operate cleaning process by ultrasonic transducer vibration.

2nd Dryer tank : it has heater and hot-air circulation system.

Usually one dryer tank take 8~10min to dry parts. The heated air generated by motor circulated to dry the parts. The heating temperature is adjustable(room temperature~200°C).

You can adjust temperature when drying plastic parts and usually not affected.

Skymen can also OFFER 3 tanks, 4 tanks, 5 tanks big ultrasonic cleaner machine, and fully automatic ultrasonic cleaning machine.

Any question or technical problems, please don't hesitate to advise us.





The process of ultrasonic cleaning utilises high frequency sound waves which are radiated through a liquid medium. These sound waves are created by a number of transducers which are bonded to the base of the ultrasonic bath. As an electrical current is passed through the two transducer crystal rings they become agitated and vibrate at around 40,000 times a second. This vibration converts the electrical energy to sound energy which is then transferred through the base of the tank into the liquid.

As the sound waves pass through the fluid microscopic bubbles form. These bubbles continue to grow in size until they become unstable and cannot support their own density, causing them to implode. This is the phenomenon known as cavitations. As these bubbles collapse the surrounding cleaning fluid rushes in to fill the gaps, which creates an action similar to that of a scrubbing brush, but thousands of times a second per cubic centimetre. It is this process which gives ultrasonics its powerful cleaning action and makes it the most effective method for removing contaminants from hard substrates or complex shapes.

Application:	
Industry	Cleaning objects
jewelry	Jewelry, diamond, gold, silver products,
machinery	Moulds, precision parts, pressing parts, camera parts, bearing, hardware tools
electronics	PCB board, electronic parts, TV parts, computer parts
Auto industry	engine parts, gear box, shock absorber, auto nozzle, cylinder, valve
Dental& Medical	dental tools, medical tools, injector, surgery tools, dropper, glass container
Plating& painting	polishing parts, SUS cutter, tableware, plating
Food industry	Oven tray, boiler, bottles, bottle cap, filters
Optical& watch maker	optical lens, eyeglass, sunglass, metal, gold, jewelry, diamond, watch band, watch cover, watch hand
textile	spinneret plate, rubber parts, plastic molds, toy
others	seal, flapper, coins, pottery, bank card, IGBT

#### cleaning effect:

